

Recorded water levels in this bulletin are derived from a representative network of water level gages on each lake (see cover map). Providers of these data are the National Ocean Service, National Oceanic and Atmospheric Administration, U.S. Department of Commerce, and the Marine Environmental Data Service, Department of Fisheries and Oceans, Canada. Historic and projected lake levels are derived by the Detroit District, U.S. Army Corps of Engineers and Environment Canada, under the auspices of the Coordinating Committee on Great Lakes Basic Hydraulic and Hydrologic Data.

This bulletin is produced monthly as a public service. Tables of possible storm-induced rises at key locations on the Great Lakes are available on request. The Corps also publishes the "Great Lakes, Connecting Channels and St. Lawrence River Water Levels and Depths," twice monthly, which provides a forecast of depths in the connecting rivers between the Great Lakes and the International Section of the St. Lawrence River. These publications can be obtained free of charge by writing to the address shown on the front cover, or by calling (313) 226-6441. Notices of change of address should include the name of the publication(s). All of these publications can be accessed on the Internet at <http://www.lre.usace.army.mil/qlhh>.

Great Lakes Basin Hydrology February 2007

Precipitation for February was well below average on all of the Great Lakes. During February, the net supply of water to all of the lake basins was also well below average. The tables below list February precipitation and water supply information for the entire Great Lakes basin.

Comparison of February monthly mean water levels to long-term average show Lakes Superior and Michigan-Huron were 18 and 16 inches below their long-term averages, respectively. Lake St. Clair was 3 inches above its long-term average, while Lakes Erie and Ontario were 10 and 15 inches above their long-term averages, respectively.

PRECIPITATION (INCHES)								
BASIN	February				12-Month Comparison			
	2007	Average (1900-1999)	Diff.	% of Average	Average Last 12 Months	Average (1900-1999)	Diff.	% of Average
Superior	0.88	1.46	-0.58	60	23.86	30.52	-6.66	78
Michigan-Huron	1.31	1.72	-0.41	76	32.97	32.18	0.79	102
Erie	1.10	2.07	-0.97	53	43.10	35.04	8.06	123
Ontario	1.35	2.35	-1.00	57	39.56	35.35	4.21	112
Great Lakes	1.17	1.76	-0.59	66	32.72	32.42	0.30	101

LAKE	February WATER SUPPLIES ² (CFS)		February OUTFLOW ³ (CFS)	
	2007 ¹	Average ⁵ (1900-1999)	2007 ¹	Average ⁴ (1900-1999)
Superior	-55,000	10,000	49,000	67,000
Michigan-Huron	-29,000	87,000	143,000	156,000
Erie	12,000	35,000	200,000	188,000
Ontario	13,000	37,000	262,000	226,000

Notes: Values (excluding averages) are based on preliminary computations; cfs denotes cubic feet per second.

¹ Estimated

² Negative water supply denotes evaporation from lake exceeded runoff from local basin.

³ Does not include diversions.

⁴ Niagara and St Lawrence rivers average outflows are based on period of record 1900-1989 and 1900-2004, respectively

⁵ Lakes Erie and Ontario average water supplies based on 1900-1989